Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/29/2021 09:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125389	0	1.06	125274	1.05
Blue	F	SSC	125000	124071	-1	2.29	124347	2.19
Blue	E	FITC	13131	12482	-5	2.04	289	15.04
Blue	D	PE	24112	23723	-2	1.45	544	10.26
Blue	B	PerCP-Cy5-5	31295	30567	-3	2.73	1011	13.52
Blue	A	PE-Cy7	19939	19811	-1	4.82	532	26.46
Red	C	APC	42122	41494	-2	2.84	1737	11.18
Red	A	APC-Cy7	22340	21743	-3	3.17	813	11.40
Violet	B	V450	7410	7220	-3	3.39	439	11.85
Violet	A	V500	28118	27126	-4	3.01	678	9.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23367	1.00	555	-14	N/A	N/A	Pass
Blue	F	SSC	57889	0.94	509	-3	N/A	N/A	Pass
Blue	E	FITC	53	50.72	478	-9	0.0417	0	Pass
Blue	D	PE	114	36.16	480	-8	0.5033	365	Pass
Blue	B	PerCP-Cy5-5	189	33.79	575	-11	0.0236	94	Pass
Blue	A	PE-Cy7	107	61.61	617	-11	0.0266	0	Pass
Red	C	APC	402	23.01	575	-1	0.0286	126	Pass
Red	A	APC-Cy7	184	26.16	548	-3	0.0065	706	Pass
Violet	B	V450	61	61.35	452	-1	0.0770	2731	Pass
Violet	A	V500	97	33.84	463	-2	0.0284	947	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-32.42	-32.21	1.06
Blue	20.37	16.28 - 24.42	1.27	1.02 - 1.52	0.00	0.00	1.40
Red	17.07	13.60 - 20.40	N/A	N/A	30.50	30.85	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9612

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments